

CLAIMS

We claim:

1. An apparatus including:

a picker arrangement,

5 wherein the picker arrangement is removably mountable in an automated banking machine media dispenser,

wherein the picker arrangement includes a rotatable picker shaft,

wherein the picker shaft is operative to be driven by a drive pin,

wherein the picker shaft has at least one picker roller thereon,

10 wherein a picker roller is operative to pick a currency note from a currency cassette in the media dispenser,

wherein the picker shaft includes a drive end having a mating portion,

wherein the mating portion includes one of a male mating portion and female mating portion,

wherein the mating portion is operative to mate with a drive pin mating portion,

5 wherein the drive pin mating portion includes the other of the male mating portion and female mating portion,

wherein the female mating portion is configured to receive therein the male mating portion,

10 wherein the picker shaft includes an opposite end,

wherein the opposite end is operative to be supported by a supporting member of the media dispenser.

2. The apparatus according to claim 1 and further comprising a media dispenser, wherein the dispenser includes a supporting member, wherein the supporting member is operative
15 to support the opposite end.

3. The apparatus according to claim 2 wherein the supporting member is operative to cause a force pushing against the picker shaft in a direction toward the drive pin to maintain mating engagement between the male mating portion and the female mating portion.
4. The apparatus according to claim 3 wherein the supporting member comprises a portion of a wall of the dispenser.
5. The apparatus according to claim 4 wherein the supporting member comprises a resilient tab.
6. The apparatus according to claim 5 wherein the wall of the dispenser comprises a metal wall, wherein the tab is of one-piece construction with the wall, and wherein the tab comprises a metal spring tab cut from the metal wall.
7. The apparatus according to claim 5 wherein the tab comprises an opening operative to receive the opposite end.
8. The apparatus according to claim 7 wherein the opening extends through the tab, wherein the opposite end is able to pass through the tab.
9. The apparatus according to claim 7 wherein the opening extends only partly through the tab, wherein the opposite end is unable to pass through the tab.

10. The apparatus according to claim 1 and further comprising

a stripper arrangement,

wherein the stripper arrangement includes a pivotable stripper shaft,

wherein the stripper shaft has at least one stripper roller thereon,

5 wherein the stripper shaft is operative to position a stripper roller
adjacent the picker roller,

wherein the stripper roller is operative to strip an excess
currency note from the picker roller.

10 11. The apparatus according to claim 10 wherein the stripper roller is operative to rotate in
only one direction.

12. The apparatus according to claim 10 wherein the stripper arrangement includes a resilient
member, wherein the resilient member is operative to engage the stripper shaft, wherein
the resilient member is operative to bias the stripper roller toward the picker roller.

13. The apparatus according to claim 12 wherein the resilient member comprises a metal spring tab cut from a dispenser body.
14. The apparatus according to claim 12 wherein the stripper arrangement includes a stripper shaft retaining member, wherein the retaining member is operative to limit movement of the stripper shaft in at least two perpendicular directions.
15. The apparatus according to claim 14 wherein the retaining member is attachable to the media dispenser.
16. The apparatus according to claim 10 and further comprising

a take-away arrangement,

wherein the take-away arrangement includes a pivotable take-away shaft,

wherein the take-away shaft has at least one take-away roller thereon,

wherein the take-away shaft is operative to position a take-away roller adjacent the picker roller,

wherein the take-away roller is operative to move a
currency note away from the picker roller.

17. The apparatus according to claim 16 wherein the take-away roller is operative to freely rotate, wherein the take-away roller is operative to be driven by the picker roller.

5 18. The apparatus according to claim 16 wherein the take-away arrangement includes a take-away shaft retaining member, wherein the retaining member is operative to limit movement of the take-away shaft in at least two perpendicular directions.

19. A method of installing the picker shaft of the apparatus recited in claim 7, comprising:

(a) inserting the opposite end into the opening;

10 (b) manually providing a first direction force to the tab, wherein the dispenser includes the drive pin, wherein the drive pin includes a drive pin mating portion;

(c) during (b), mating the drive end to the drive pin;

(d) ending the manually provided first direction force, wherein the tab retains the picker shaft in mating engagement with the drive pin.

20. An apparatus including:

an automated banking machine media dispenser,

wherein the dispenser includes a drive pin,

wherein the drive pin comprises a first mating portion,

5 wherein the dispenser includes a resilient tab,

wherein the tab includes a hole,

wherein the dispenser includes a spring tab,

a picker arrangement,

wherein the picker arrangement is removably mountable in the dispenser,

10 wherein the picker arrangement includes a rotatable picker shaft,

wherein the picker shaft has at least one picker roller thereon,

a stripper arrangement,

wherein the stripper arrangement includes a pivotable stripper shaft,

wherein the stripper shaft has at least one stripper roller thereon,

wherein the stripper shaft is operative to position a stripper roller
adjacent the picker roller,

wherein the stripper roller is operative to strip an excess
sheet from the picker roller,

wherein the stripper shaft is operative to be engaged by the spring
tab to bias the stripper roller toward the picker roller,

wherein the stripper arrangement includes a stripper shaft retaining
member,

wherein the retaining member is operative to limit movement of
the stripper shaft,

a take-away arrangement,

wherein the take-away arrangement includes a pivotable take-away shaft,

wherein the take-away shaft has at least one take-away roller
thereon,

5 wherein the take-away shaft is operative to position a take-away
roller adjacent the picker roller,

wherein the take-away roller is operative to move a sheet
away from the picker roller,

10 wherein the take-away roller is operative to be driven by the
picker roller.